Appin. No.: 09/612,797

Amendment Dated: March 8, 2004

Reply to Office Action of: December 9, 2003

MTS-3201US

## **ABSTRACT**

 $\mathcal{I}^{\nu}$ 

A multivalued information recording method in which energy applied to information units on a recording medium is varied to record multivalued information. In accordance with a relationship between the multivalued information in a predetermined information unit and the multivalued information in information units adjacent to the predetermined information unit, the energy applied to the predetermined information unit is decided.